

CLAIMS

1. An injection process for forming a retroreflector on a matrix mold having a plurality of prisms that each define a cavity, the process comprising the steps of:

5 a) injecting a first layer of plastic on the matrix mold for partially filling up each prism up to a predetermined uniform thickness so as to define a recessed portion corresponding with each cavity of the prisms; and

10 b) injecting a second layer of plastic onto of the first layer, the second layer filling up the recessed portion defined in each cavity of the prisms so that second layer defines a flat portion on an exterior side of the second layer.

15 2. The injection process according to claim 1, wherein each prism has a side length larger or equal to 4 mm.

20 3. The injection process according to claim 2, wherein each prism has a side length ranging from 4 mm to 8 mm.

25 4. The injection process according to claim 1, wherein each prism has a hexagonal shape.

30 5. The injection process according to claim 1, wherein each prism has a rectangular shape.

35 6. The injection process according to claim 1, wherein each prism has a triangular shape.

40 7. The injection process according to claim 1, further comprising the step of injecting an intermediate layer of plastic after step a) and before step b).